UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF COMMERCIAL FISHERIES

CALIFORNIA FISHERY MARKET NEWS MONTHLY SUMMARY

November 1962

Part II–Fishing Information*

Sea-surface temperatures, fishing and research information of interest to the West Coast tuna-fishing industry and marine scientists

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Eastern Pacific Ocean, November 1962 2

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* Part I - "Fishery Products Production and Market Data" is issued by the Bureau of Commercial Fisheries, Market News Service, Post Office Building, San Pedro, California

SEA SURFACE TEMPERATURE CHARTS, EASTERN PACIFIC OCEAN
NOVEMBER 1962

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U. S. Coast Guard, Port Hueneme Light Station, Port Hueneme, California
U. S. Bureau of Commercial Fisheries, Biological Laboratories, Honolulu, Hawaii; La Jolla, California; Seattle, Washington
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California Department of Fish and Game M/V Alaska and N.B. Scofield
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Scripps Institution of Oceanography, La Jolla, California
by Margaret Robinson and Hans Klein

Yacht Misty

Charts

Figure 1.--Mean sea surface temperatures (°F) derived from approximately 8000 observations. Squares show temperatures at weather-ship stations. Numerals on shore are temperatures at coastal and light stations.

Figure 2.--Deviation of sea surface temperatures (°F) from long term mean charts of H.O. 225. Hatched areas are colder than mean.

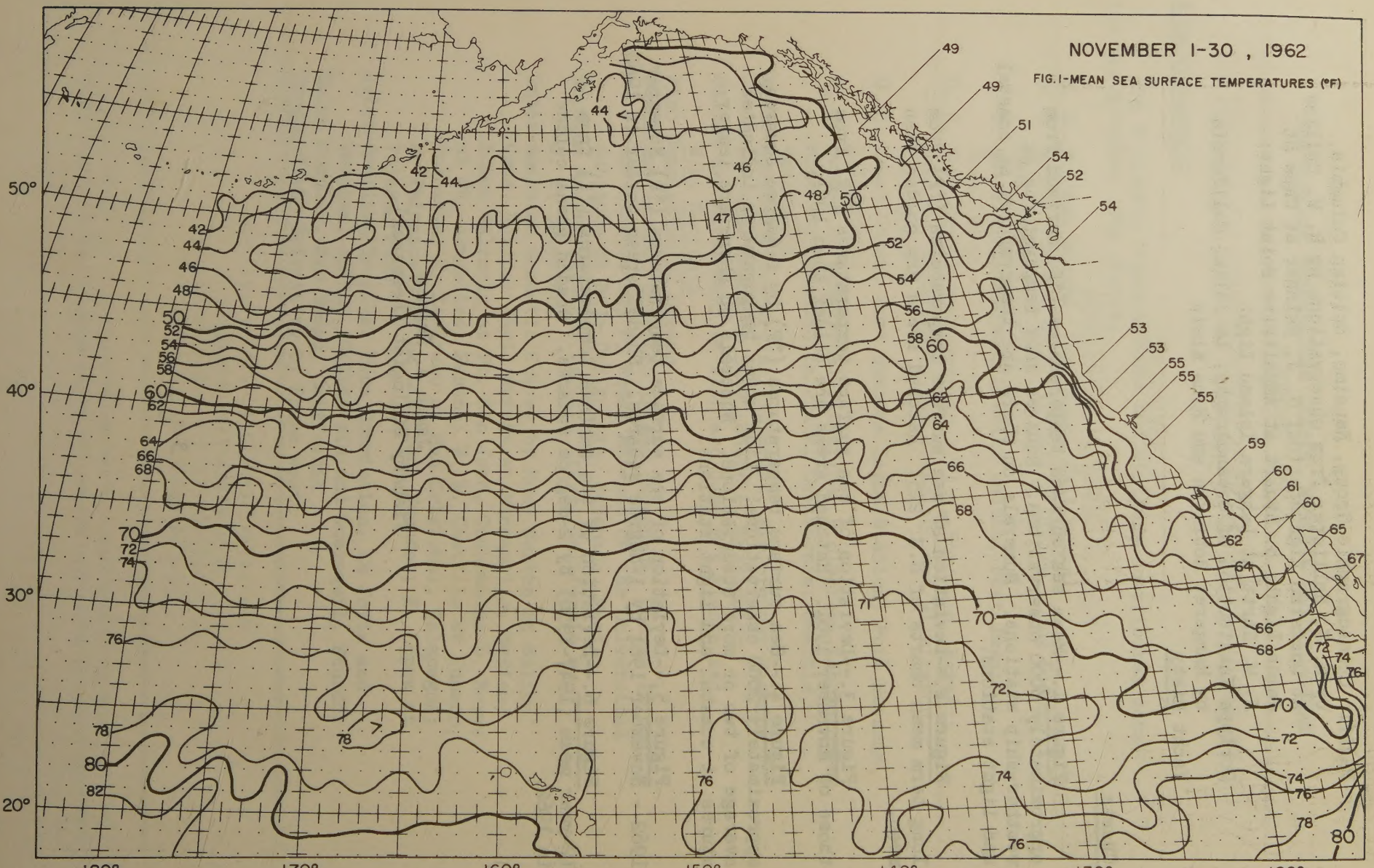
Figure 3.--Deviation of sea surface temperatures (°F) from those of November 1961. Hatched areas are colder than 1961.

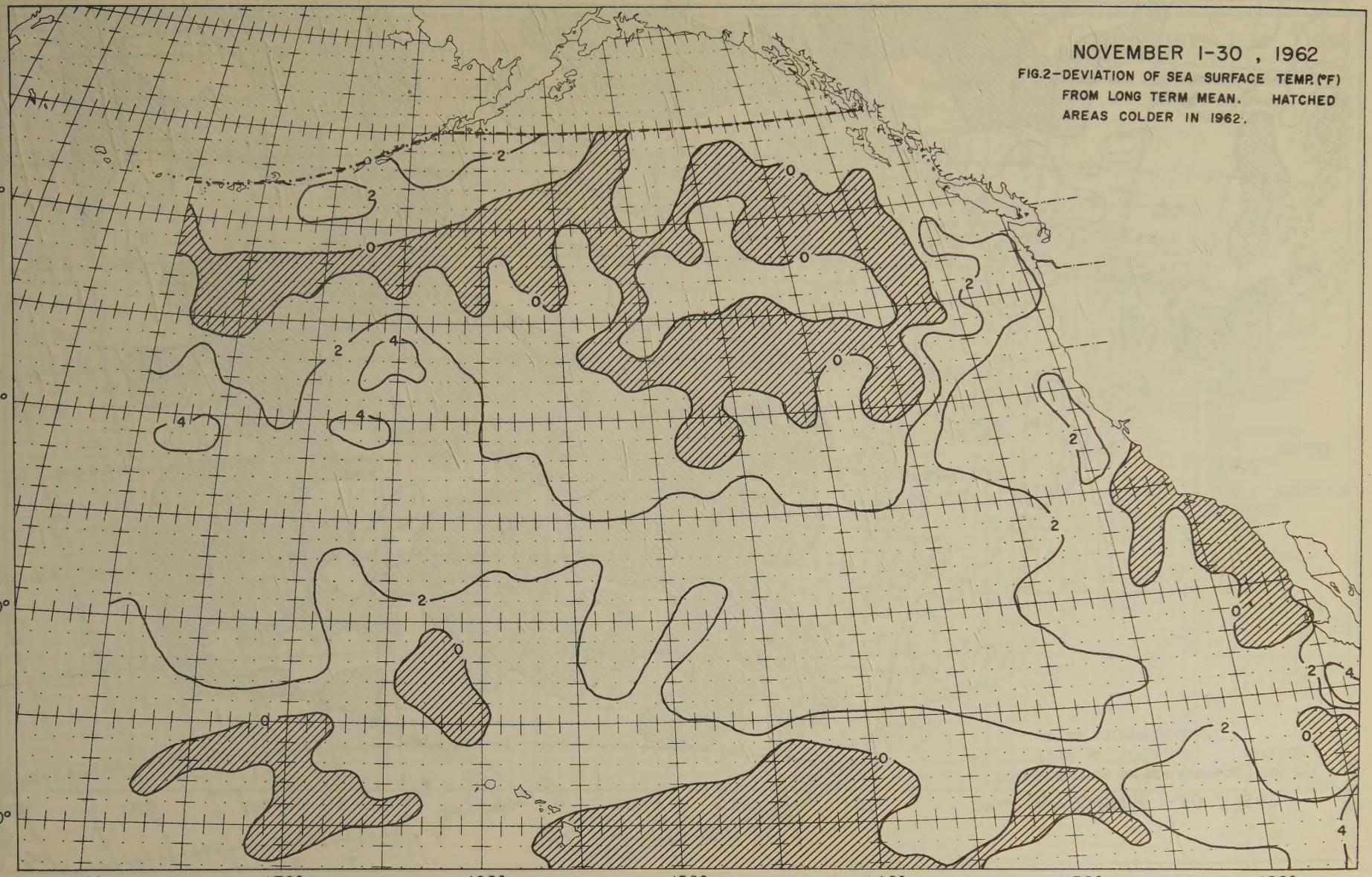
Figure 4.--Sea surface temperatures (°F) by 1-degree squares, approximately 2000 observations. Line under temperatures indicates average of two or more observations. Numerals on shore are temperatures at coastal and light stations.

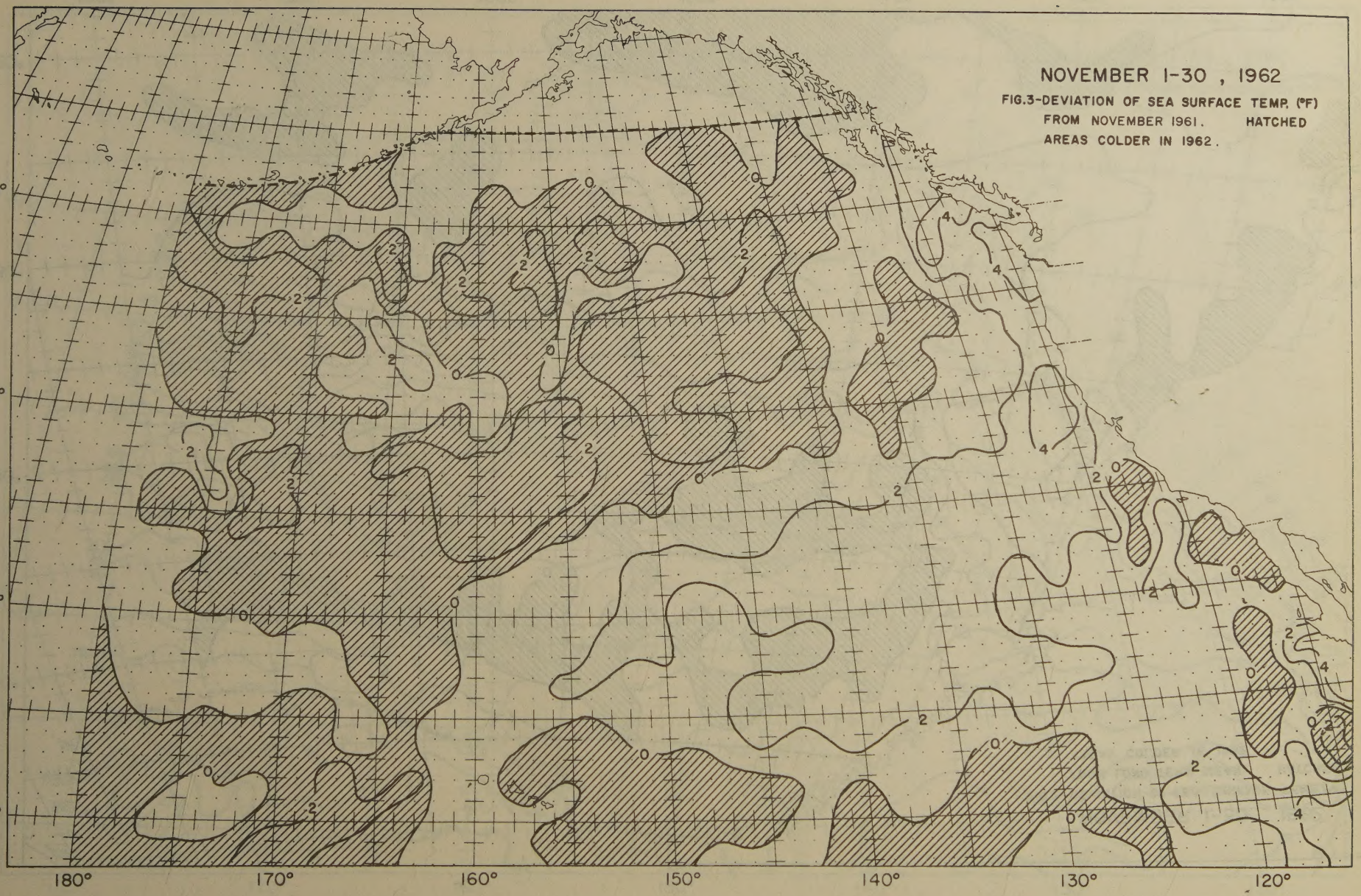
Figure 5.--Deviation of sea surface temperatures (°F) November 1962 - November 1961 by 1-degree squares. Shaded areas colder in 1962.

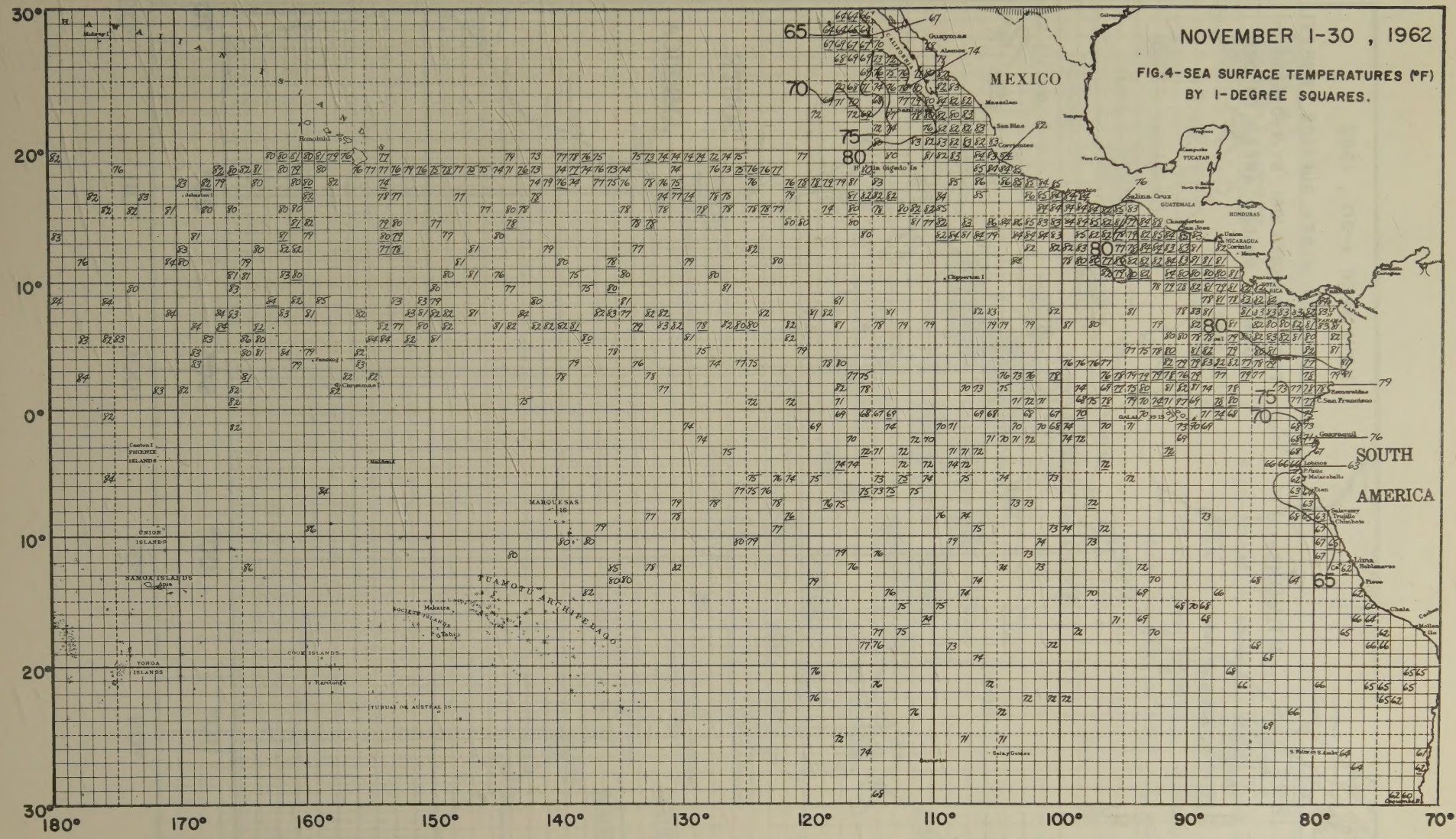
Figure 6.--Deviation of sea surface temperatures (°F) from 12-year mean (1947-1958) by 2-degree squares. Shaded areas colder in 1962.

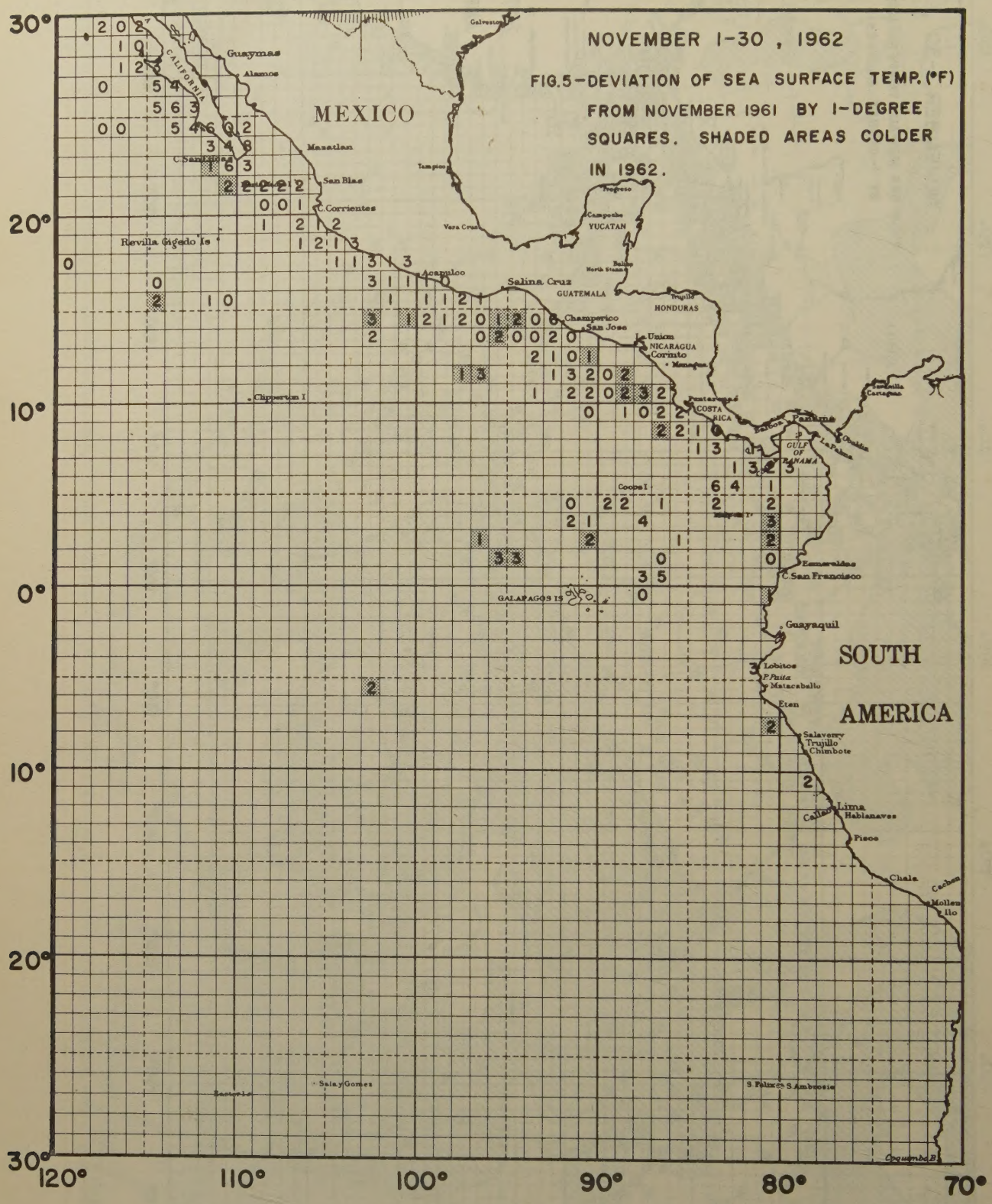
James A. Renner
Fishery Biologist (Research)

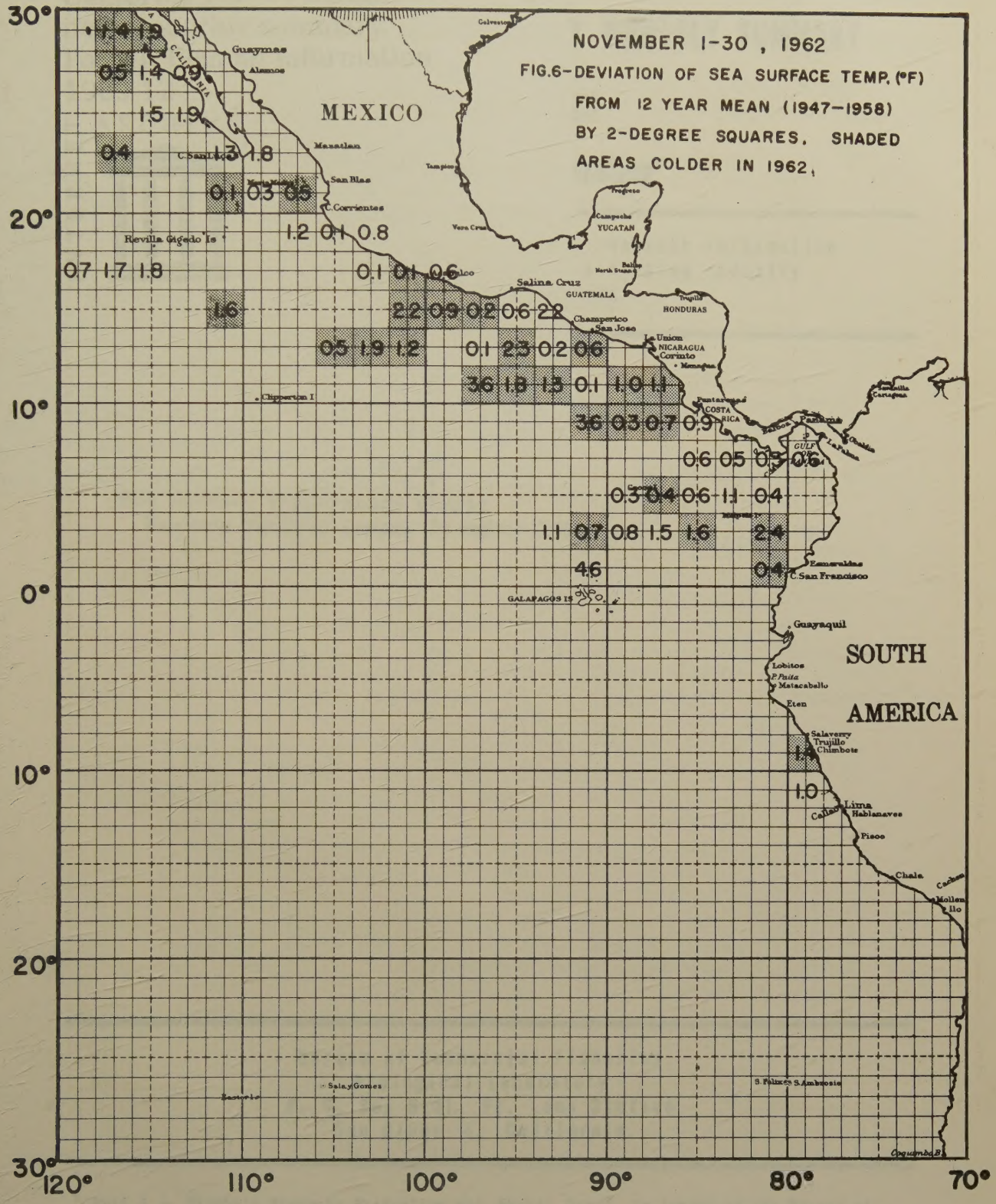

NOVEMBER 1-30 , 1962
FIG. 1-MEAN SEA SURFACE TEMPERATURES (°F)
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°
47
71


NOVEMBER 1-30 , 1962
FIG.2-DEVIATION OF SEA SURFACE TEMP.(°F) FROM LONG TERM MEAN. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


NOVEMBER 1-30 , 1962
FIG.3-DEVIATION OF SEA SURFACE TEMP. (°F) FROM NOVEMBER 1961. HATCHED AREAS COLDER IN 1962.
50°
40°
30°
20°
180°
170°
160°
150°
140°
130°
120°


NOVEMBER 1-30 , 1962
FIG.4-SEA SURFACE TEMPERATURES (°F)
BY 1-DEGREE SQUARES.
MEXICO
SOUTH
AMERICA
HAWAIIAN ISLANDS
Honolulu
Johnston I.
Canton I.
PHOENIX ISLANDS
Malden I.
Fanning I.
Christmas I.
UNION ISLANDS
SAMOA ISLANDS
TONGA ISLANDS
COOK ISLANDS
MARQUESAS
TUAMOTU ARCHIPELAGO
SOCIETY ISLANDS
Tahiti
Rarotonga
TUBUAI OR AUSTRAL IS.
Clipperton I.
Revilla Gigedo Is.
Guaymas
Alamos
Mazatlan
San Blas
Corrientes
Acapulco
Salina Cruz
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
PANAMA
Chiapas
YUCATAN
Progreso
Campeche
Veracruz
Tampico
Galapagos Is.
Guayaquil
Salaverry
Trujillo
Chimbote
Lobitos
Paita
Talara
Matacaballo
Pisco
Lima
Callao
Mollendo
Ilo
Arica
Iquique
Tocopilla
Chala
Caldera
Coquimbo
Valparaiso
San Antonio
Talcahuano
Concepcion
Corral
Ancud
Puerto Montt
Juan Fernandez Is.
Easter I.
Sala y Gomez
Desventuradas Is.
S. Felix
S. Ambrosio
Juan Fernandez
Valdivia
Puerto Aysen
Chonos Archipelago
Guadalupe I.
Cedros I.
Magdalena B.
Cabo San Lucas
Manzanillo
Acapulco
Salina Cruz
Tehuantepec
Champerico
Corinto
Masachapa
Corinto
Puntarenas
Esmeraldas
San Francisco
Gorgona I.
Gallo I.
Malpelo I.
Cocos I.
Panama
Chiriqui
Coiba I.
Taboga I.
Taboguilla I.
Perlas Is.
Cape Mala
Cape Blanco
Cape Corrientes
Cape Blanco
Cape Mala
Cape Corrientes
Cape Blanco
Cape Mala
Cape Corrientes
Cape Blanco
Cape Mala


NOVEMBER 1-30 , 1962
FIG.5-DEVIATION OF SEA SURFACE TEMP.(°F) FROM NOVEMBER 1961 BY 1-DEGREE SQUARES. SHADED AREAS COLDER IN 1962.
MEXICO
SOUTH AMERICA
GUATEMALA
HONDURAS
NICARAGUA
COSTA RICA
YUCATAN
GULF OF PANAMA
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Revilla Gigedo Is
Acapulco
Salina Cruz
Champerico
San Jose
La Union
Corinto
Managua
Chipperton I
Cocos I
Esmeraldas
C. San Francisco
Guayaquil
Lobitos
P. Pasita
Matacaballo
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Huacho
Pisco
Chala
Mollendo
Sala y Gomez
S. Felix & S. Ambrosio
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°


NOVEMBER 1-30 , 1962
FIG.6-DEVIATION OF SEA SURFACE TEMP. (°F)
FROM 12 YEAR MEAN (1947-1958)
BY 2-DEGREE SQUARES. SHADED
AREAS COLDER IN 1962.
MEXICO
SOUTH
AMERICA
GUATEMALA
HONDURAS
COSTA RICA
NICARAGUA
YUCATAN
GULF
GALAPAGOS IS
Guaymas
Alamos
Mazatlan
San Blas
C. Corrientes
Salina Cruz
Champerico
San Jose
Corinto
Chipperton I
Guayaquil
Lobitos
Eten
Salaverry
Trujillo
Chimbote
Lima
Callao
Pisco
Chala
Mollendo
Esmeraldas
C. San Francisco
Panama
30°
20°
10°
0°
10°
20°
30°
120°
110°
100°
90°
80°
70°